

ADJUSTABLE SUCTION RING

ABSTRACT OF THE DISCLOSURE

5 An adjustable suction ring for immobilizing the eyeball for use with any corneal surgical  
procedure that involves immobilizing the eyeball in relation to surgical tools. The suction  
ring is adjustable to fit eyeballs of differing diameters. The suction ring consists of an upper  
portion and a lower portion joined by a threaded connection. By rotating the lower section  
10 and backing out the threads, the distance between the upper engaging surface and the lower  
engaging surface is widened, thereby decreasing the curvature radius of the inferior engaging  
surface resulting in a proper fit between the suction ring and a small diameter eyeball. By  
rotating the lower section oppositely, the distance between the upper engaging surface and  
the lower engaging surface is shortened, thereby effectively increasing the curvature radius  
15 of the inferior engaging surface resulting in a proper fit between the adjustable suction ring  
and a large diameter eyeball.